


Foreman		Emp #	Job Start Date		 A MIDAMERICAN ENERGY HOLDINGS COMPANY
CC#	WO# / REQ#	Map String	Job Comp Date		
11391	A05418012	11339016.0			1 OF 1
CUSTOMER : IEW: RMP ADDRESS : DIXIE DEER SUB STA CENTRAL UT			Circuit	Post Jobs <input type="checkbox"/> RQI <input type="checkbox"/> Posted <input type="checkbox"/>	EST ID# 10674 Print Date 04/07/10 Scale 1=200'


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Red Butte SVS

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Re: Red Butte Substation - Site Plan Temporary Concrete Batch Plant

From: **Bevan Killpack** (bkillpack@fs.fed.us)
 You may not know this sender. [Mark as safe](#) | [Mark as junk](#)

Sent: Wed 4/14/10 11:32 AM

To: Pamela J Gilbert (pgilbert@fs.fed.us)

Cc: jedboyle@hotmail.com; lee.nielson (lee.nielson.pacificorp@fs.fed.us); Pamela J Gilbert (pgilbert@fs.fed.us); philschmidt1@hotmail.com; terry.ray@pacificorp.com

 3 attachments | [Download all attachments \(684.6 KB\)](#)

ATT00001 (16.3 KB), 20100409r...doc (56.0 KB), 20100414r...pdf (612.4 KB)

I concur with the plan and location....please use this email as your ok to proceed with the setting up of the batch plant...thanks bk



Bevan Killpack
District Ranger
Pine Valley RD
Dixie National Forest
(435) 652-3101
bkillpack@fs.fed.us

Pamela J Gilbert/R4/USDAFS

04/14/2010 10:02 AM

To: Bevan Killpack/R4/USDAFS@FSNOTES,
 Pamela J Gilbert/R4/USDAFS@FSNOTES,
 jedboyle@hotmail.com,
 philschmidt1@hotmail.com,
 lee.nielson@pacificorp.com,
 terry.ray@pacificorp.com

cc

Subject: Red Butte Substation - Site Plan Temporary
 Concrete Batch Plant

Hi all,

Attached is the pdf of the site plan for the temporary concrete batch plant that Jed Boyle, Schmidt Construction, submitted this morning. Also attached is the letter authorizing this temporary structure to minimize and expedite the completion of the Red Butte Substation Expansion and Phase II of the Pine Valley Campground.

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 Subject to
[Click here](#)

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book no

Authorization ID: PNV002201
Contact ID: PACIFICORP/UP&L
Use Code: 644, 751

FS-2700-23 (03/06)
OMB No. 0598-0062

**U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
AMENDMENT
FOR
SPECIAL USE AUTHORIZATION
AMENDMENT NUMBER: 1**

This amendment is attached to and made a part of the special use authorization (identified above) issued to PACIFICORP dba ROCKY MOUNTAIN POWER on 08/28/2003 which is hereby amended as follows:

ADD:

Expansion, related construction, operation and maintenance of existing substation by 26.58 acres.

Two road access segments from existing road measuring 78 feet and 148 feet in length, 50 feet in width. .26 acre

Construction to be completed by December 31, 2011.

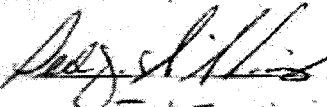
DELETE:

Portion of existing access road 654 feet in length, 50 feet in width. .75 acre.

TOTAL AREA AUTHORIZED FOR SUBSTATION: 37.10 ACRES

TOTAL ACCESS ROAD: 1,230.5 FEET IN LENGTH, 50 FEET IN WIDTH. 1.41 ACRES.

This Amendment is accepted subject to the conditions set forth herein, and as shown on drawing attached hereto and made a part of this Amendment.


By: 
Print Name: Ted S. Williams

3/3/2010
Date

Authorized Representative
PacifiCorp, an Oregon Corporation,
dba Rocky Mountain Power

I, Ted S. Williams, certify that I am the authorized representative of

PacifiCorp, an Oregon Corporation, dba Rocky Mountain Power for all purposes related to the acceptance of this agreement and compliance with the terms and conditions set forth herein, as provided in the letter of October 22, 2008. Executed this 3rd day of March, 2010.


ROBERT G. MACWHORTER
FOREST SUPERVISOR
DIXIE NATIONAL FOREST
USDA, FOREST SERVICE

3/9/10
Date



United States
Department of
Agriculture

Forest
Service

Dixie National Forest
Pine Valley Ranger District

196 E. Tabernacle, Suite 38
St. George, UT 84770
435-652-3100

File Code: 2720

Date: April 9, 2010

*Hand Delivered
4/9/10
[Signature]*

Mr. Phil Schmidt
Schmidt Construction, Inc.
2230 West Hwy 56
Cedar City, UT 84721

Dear Mr. Schmidt:

This letter authorizes Schmidt Construction, Inc. to use the northeast corner of the existing Red Butte Substation, as outlined in your request of April 7, 2010.

- Placement of a temporary concrete batch plant, adhering to Air Quality dust controls, duration May – November, 2010.
- Temporary concrete batch plant used solely for concrete used on the Red butte Substation Expansion and the remaining work to be completed on the Pine Valley Recreation Area Campgrounds – Phase 2.
- All disturbed areas used by the batch plant will be put back to a natural state per requirements of the Red Butte Substation Expansion Plan of Development.
- Rehabilitation will include contouring and reseeding the area used.
- Receipts of seeds purchased and the list of seeds will be submitted.
- Pre and Post photographs will be required to represent current and future conditions of the concrete batch plant.
- The widening of the access road beginning at the section corner marker to the existing substation in preparation of heavy equipment low boys.
- Moving the stock fence from its current location, to a north/south position connecting to the northeast corner of the current substation fence.

If you have any questions, please contact Pamela Gilbert at 435-865-3230.

Sincerely,

Pamela Gilbert for

BEVAN D. KILLPACK
District Ranger



*Air
Quality
Services*

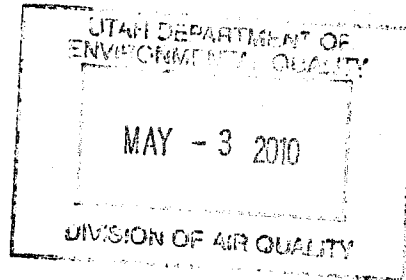
Providing Air Emissions Permitting Support

968 South 970 West, Woods Cross, Utah 84087

Phone and Fax: (801) 294-0454 E-mail: jwnewby@comcast.net

May 3, 2010

Ms. Cheryl Heying, Director
Utah Division of Air Quality
Post Office Box 144820
Salt Lake City, Utah 84114-4820



Re: Small Source Exemption Registration for Schmidt Construction

Dear Ms. Heying:

On behalf of Schmidt Construction, Air Quality Services submits this small source exemption registration notice to the Utah Division of Air Quality. Schmidt Construction plans to operate a concrete batch plant at the west end of Fremont Road (Red Butte Substation) in Central, Utah. As the plant will produce only 4,000 cubic yards of concrete per year, it qualifies for the small source exemption.

Point of contact and company information is as follows:

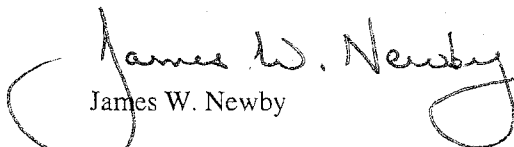
Phil Schmidt, Owner
Schmidt Construction
2230 West Highway 56
Cedar City, Utah 84720
(435) 865-7405

Calculations are attached. They identify processes involved, equipment, anticipated quantities of materials used, type and quantity of fuel employed, nature and quantity of finished product, expected emissions, estimated annual emission rates, control apparatus, and typical operating schedule.

If you have questions or need additional information, please contact me at (801) 294-0454.

Sincerely,

AIR QUALITY SERVICES


James W. Newby

Attachment

1. Projected Emissions Calculations

c Phil Schmidt, Schmidt Construction

Projected Emissions Calculations (Concrete Plant)

Source: **Emission Summary**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source	Controlled Emissions				
	PM10 (ton/yr)	SO2 (ton/yr)	NOx (ton/yr)	CO (ton/yr)	VOC (ton/yr)
Material Handling (Drops)	0.00	--	--	--	--
Material Handling (Conveyors)	0.00	--	--	--	--
Storage Piles	0.05	--	--	--	--
Unpaved Road Dust	0.05	--	--	--	--
Concrete Batching					
Aggregate transfer	0.01	--	--	--	--
Sand transfer	0.00	--	--	--	--
Weigh hopper loading	0.01	--	--	--	--
Truck Loading (truck mix)	0.08	--	--	--	--
Cement loading to silo (pneumatic)	0.00	--	--	--	--
Cement supplement loading to silo (pneumatic)	0.00	--	--	--	--
Wheeled Loader Exhaust	0.03	0.03	0.28	0.09	0.04
Total	0.22	0.03	0.28	0.09	0.04

Pollutant	Cement Silo Filling (lb/yr)	Supplement Silo Filling (lb/yr)	Truck Mix Batching (lb/yr)	Total (lb/yr)
Arsenic	4.16E-06	1.46E-04	3.43E-03	3.58E-03
Beryllium	4.77E-07	1.32E-05	2.75E-04	2.89E-04
Cadmium	4.77E-07	2.89E-06	3.43E-02	3.43E-02
Chromium	2.85E-05	1.78E-04	1.29E-02	1.31E-02
Lead	1.07E-05	7.59E-05	4.08E-03	4.17E-03
Manganese	1.15E-04	3.74E-05	6.90E-02	6.92E-02
Nickel	4.10E-05	3.33E-04	1.34E-02	1.38E-02
Phosphorus	2.32E-03	5.17E-04	4.33E-02	4.61E-02
Selenium	--	1.06E-05	2.96E-03	2.97E-03
Total				1.88E-01

Projected Emissions Calculations (Concrete Plant)

Source: **Material Handling (Drops)**

Company: Schmidt Construction

Site: Red Butte Substation

Date: 05/03/10

Source	Pollutant	Particle Size Multiplier	Wind Speed (mph)	Moisture Content (%)	Emission Factor (lb/ton)	Production Rate (ton/yr)	Number of Drops (#)	Emission Rate (ton/yr)
Controlled Loader (to hoppers)	PM10	0.35	9	4	9.11E-04	6,586	1	0.00

Source of Data:

Particle Size Multiplier:

Wind Speed:

Moisture Content:

Emission Factor:

Production Rate:

Number of Drops:

Emission Rate:

Page 13.2.4-4
Average from SLC Airport Meteorological Data
Estimated

AP-42, Fifth Edition, Section 13.2.4, 11/06

Aggregate Handling and Storage Piles

Page 13.2.4-4

Schmidt Construction

Schmidt Construction

Calculated

Equations:

Emission Factors:

$$k(0.0032) \left(\frac{U}{5} \right)^{1.3} \left(\frac{M}{2} \right)^{1.4} = EF \left(\frac{\text{lb}}{\text{ton}} \right)$$

Notes:

As the material is washed, a controlled moisture content is used to calculate emissions.

Projected Emissions Calculations (Concrete Plant)

Source: **Material Handling (Conveyors)**

Company: Schmidt Construction

Site: Red Butte Substation

Date: 05/03/10

Source	Pollutant	Emission Factor (lb/ton)	Production Rate (ton/yr)	Number of Drops (#)	Emission Rate (ton/yr)
Controlled Conveyors	PM10	4.60E-05	6,586	2	0.00

Source of Data:

Emission Factor:

AP-42, Fifth Edition, Section 11.19.2, 08/04
Crushed Stone Processing
Table 11.19.2-2

Production Rate:

Schmidt Construction

Number of Drops:

Schmidt Construction

Emission Rate:

Calculated

Notes:

As the material is washed, a controlled emission factor is used to calculate emissions.

Projected Emissions Calculations (Concrete Plant)

Source: **Storage Piles**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source	Pollutant	Emission Factor (ton/acre-yr)	Area (acre)	Operating Time (day/yr)	Emission Rate (ton/yr)
Storage piles (inactive days)	PM10	0.19	0.50	180	0.05

Source of Data:

Emission Factor: AP-42, Fifth Edition, Section 11.9, 10/98
 Western Surface Coal Mining
 Table 11.9-4
 Area: Schmidt Construction
 Operating Time: Schmidt Construction
 Emission Rate: Calculated

Notes:

The TSP emission factor is 0.38 ton/acre-yr. The PM10 emission factor is estimated to be 50 percent of the TSP emission factor.
 The emissions are assumed to be uncontrolled.

Projected Emissions Calculations (Concrete Plant)

Source: **Unpaved Road Dust**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source	Pollutant	Control Efficiency (%)	Uncontrolled Emissions (ton/yr)	Controlled Emissions (ton/yr)
Loader (to hoppers)	PM10	75	0.02	0.00
Haul Trucks	PM10	75	0.06	0.02
Concrete Trucks	PM10	75	0.11	0.03
	Total		0.19	0.05

Source	Production Rate (ton/yr)	Length of Trip (ft/trip)	Distance Traveled (vmt/yr)
Loader (to hoppers)	6,586	100	21
Haul Trucks	7,714	2,000	82
Concrete Trucks	8,048	2,000	169

Source	Particle Size Multiplier	Surface Silt Content (%)	Vehicle Weight (ton)	Vehicle Capacity (ton/load)	Mean Vehicle Weight (ton)	Days With Precip. >= 0.01 Inch	Annual Emission Factor (lb/vmt)
Loader (to hoppers)	1.5	7.1	15.0	6	18.0	90	1.58
Haul Trucks	1.5	4.8	18.3	35.7	36.2	90	1.52
Concrete Trucks	1.5	4.8	19.0	18.0	28.0	90	1.35

Projected Emissions Calculations (Concrete Plant)

Source: **Unpaved Road Dust**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source of Data:

Particle Size Multiplier:
 Surface Silt Content:
 Vehicle Weight:
 Vehicle Capacity:
 Mean Vehicle Weight:
 Days With Precip. >= 0.01:
 Emission Factor:

Table 13.2.2-2
 Table 13.2.2-1
 Schmidt Construction
 Schmidt Construction
 Calculated
 Figure 13.2.2-1
 AP-42, Fifth Edition, Section 13.2.2, 11/06
 Unpaved Roads
 Page 13.2.2-4

Production Rate :
 Length of Trip:
 Distance Traveled:
 Control Efficiency:
 Emission Rate:

Schmidt Construction
 Schmidt Construction
 Calculated
 DAQ
 Calculated

Notes:

The Mean Vehicle Weight (W) is the average of the loaded and empty vehicle weight.
 The Days With Precipitation >=0.01 Inches (p) portion of the emission factor equation is used only for the annual emission factor.
 The control efficiency is based on applying water.

Equations:

Emission Factors:

$$k \left(\left[\frac{s}{12} \right] \right)^a \left(\left[\frac{W}{3} \right] \right)^b \left(\frac{365-p}{365} \right) = EF$$

PM10: a = 0.9, b = 0.45

Projected Emissions Calculations (Concrete Plant)

Source: **Concrete Batching**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source	Pollutant	Emission Factor (lb/ton)	Production Rate (ton/yr)	Emission Rate (ton/yr)
Uncontrolled				
Aggregate transfer	PM10	0.0033	3,730	0.01
Sand transfer	PM10	0.00099	2,856	0.00
Weigh hopper loading	PM10	0.0024	6,586	0.01
Truck Loading (truck mix)	PM10	0.1390	1,128	0.08
Controlled				
Cement loading to silo (pneumatic)	PM10	0.00034	982	0.00
Cement supplement loading to silo (pneumatic)	PM10	0.0049	146	0.00

Source of Data:

Emission Factor: AP-42, Fifth Edition, Section 11.12, 06/06
 Concrete Batching (Draft)
 Table 11.12-2
 Production Rate: Schmidt Construction
 Emission Rate: Calculated

Notes:

Bin vents are used to control silo loading emissions.

Projected Emissions Calculations (Concrete Plant)

Source: **Cement Silo Filling**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source	Pollutant	Emission Factor (lb/ton)	Production Rate (ton/yr)	Emission Rate (lb/yr)
Cement silo filling (w/fabric filter)	Arsenic	4.24E-09	982	4.16E-06
	Beryllium	4.86E-10	982	4.77E-07
	Cadmium	4.86E-10	982	4.77E-07
	Chromium	2.90E-08	982	2.85E-05
	Lead	1.09E-08	982	1.07E-05
	Manganese	1.17E-07	982	1.15E-04
	Nickel	4.18E-08	982	4.10E-05
	Phosphorus	2.36E-06	982	2.32E-03

Source of Data:

Emission Factor: AP-42, Fifth Edition, Section 11.12, 06/06
 Concrete Batching
 Table 11.12-6
 Production Rate (concrete): Schmidt Construction
 Emission Rate: Calculated

Notes:

The emission factors are pounds per ton of cement.

Projected Emissions Calculations (Concrete Plant)

Source: **Cement Supplement Silo Filling**

Company: Schmidt Construction

Site: Red Butte Substation

Date: 05/03/10

Source	Pollutant	Emission Factor (lb/ton)	Production Rate (ton/yr)	Emission Rate (lb/yr)
Cement supplement silo filling (w/fabric filter)	Arsenic	1.00E-06	146	1.46E-04
	Beryllium	9.04E-08	146	1.32E-05
	Cadmium	1.98E-08	146	2.89E-06
	Chromium	1.22E-06	146	1.78E-04
	Lead	5.20E-07	146	7.59E-05
	Manganese	2.56E-07	146	3.74E-05
	Nickel	2.28E-06	146	3.33E-04
	Phosphorus	3.54E-06	146	5.17E-04
	Selenium	7.24E-08	146	1.06E-05

Source of Data:

Emission Factor:

AP-42, Fifth Edition, Section 11.12, 06/06

Concrete Batching

Table 11.12-6

Schmidt Construction

Calculated

Production Rate (concrete):

Calculated

Notes:

The emission factors are pounds per ton of cement supplement.

Projected Emissions Calculations (Concrete Plant)

Source: **Truck Mix Batching**
 Company: Schmidt Construction
 Site: Red Butte Substation
 Date: 05/03/10

Source	Pollutant	Emission Factor (lb/ton)	Production Rate (ton/yr)	Control Efficiency (%)	Emission Rate (lb/yr)
Truck mix batching	Arsenic	3.04E-06	1,128	0	3.43E-03
	Beryllium	2.44E-07	1,128	0	2.75E-04
	Cadmium	3.04E-05	1,128	0	3.43E-02
	Chromium	1.14E-05	1,128	0	1.29E-02
	Lead	3.62E-06	1,128	0	4.08E-03
	Manganese	6.12E-05	1,128	0	6.90E-02
	Nickel	1.19E-05	1,128	0	1.34E-02
	Phosphorus	3.84E-05	1,128	0	4.33E-02
	Selenium	2.62E-06	1,128	0	2.96E-03

Source of Data:

Emission Factor: AP-42, Fifth Edition, Section 11.12, 06/06
 Concrete Batching
 Table 11.12-6
 Production Rate (concrete): Schmidt Construction
 Emission Rate: Calculated

Notes:

The emission factors are pounds per ton of cement and cement supplement.

Projected Emissions Calculations (Concrete Plant)

Source: **Wheeled Loader Exhaust**

Company: Schmidt Construction

Site: Red Butte Substation

Date: 05/03/10

Source	Pollutant	Emission Factor (lb/kgal)	Diesel Consumed (gal/yr)	Emission Rate (ton/yr)
Wheeled loader	PM10	29.30	1,750	0.03
	SOx	31.20	1,750	0.03
	NOx	321.23	1,750	0.28
	CO	98.66	1,750	0.09
	VOC	43.16	1,750	0.04
	Aldehydes	7.17	1,750	0.01

Source of Data:

Emission Factor:

AP-42, Fourth Edition, Section II-7
Heavy Duty Construction Equipment

Table 2-7.1

Diesel Consumed:

Schmidt Construction

Emission Rate:

Calculated

Notes:

Input Data for Concrete Plant Calculations

Company Name:

Schmidt Construction

Facility Name:

Red Butte Substation

Production Rate:

4,000 cu yd/yr

Weight Per Cubic Yard of Concrete:

Cement:

491 lb/cu yd

Cement Supplement:

73 lb/cu yd

Sand:

1,428 lb/cu yd

Course Aggregate:

1,865 lb/cu yd

Water:

167 lb/cu yd

Concrete:

4,024 lb/cu yd

Annual Usage:

Cement:

982 ton/yr

Cement Supplement:

146 ton/yr

Sand:

2,856 ton/yr

Course Aggregate:

3,730 ton/yr

Water:

334 ton/yr

Concrete:

8,048 ton/yr

Hours of Plant Operation:

Hours Per Day:

10 hr/day

Days Per Week:

5 day/wk

Weeks Per Year:

25 wk/yr

Hours Per Year:

250 hr/yr

Days Per Year:

125 day/yr

Haul Trucks (aggregate hauled on-site)

Vehicle Weight (empty):

18 ton

Vehicle Capacity:

35 ton

Length of Round Trip:

Paved:

0 ft

Unpaved:

2,000 ft

Haul Trucks (cement hauled on-site)

Vehicle Weight (empty):

20 ton

Vehicle Capacity:

40 ton

Length of Round Trip:

Paved:

0 ft

Unpaved:

2,000 ft

Haul Trucks (supplement hauled on-site)

Vehicle Weight (empty):

20 ton

Vehicle Capacity:

40 ton

Vehicle Capacity:

2,000 ton

Length of Round Trip:

Paved:

0 ft

Unpaved:

2,000 ft

Input Data for Concrete Plant Calculations

Concrete Trucks (concrete hauled off-site)

Vehicle Weight (empty):	<u>19 ton</u>
Vehicle Capacity:	<u>18 ton</u>
Length of Round Trip:	
Paved:	<u>0 ft</u>
Unpaved:	<u>2,000 ft</u>

Front-End Loader (aggregate from storage piles):

Vehicle Weight (empty):	<u>15 ton</u>
Vehicle Capacity:	<u>6 ton</u>
Length of Round Trip:	
Paved:	<u>0 ft</u>
Unpaved:	<u>100 ft</u>

Front-end Loaders:

Number of Front-end Loaders:	<u>1 #</u>
Hours of Operation (total of all loaders):	<u>250 hr/yr</u>
Fuel Type:	<u>diesel type</u>
Fuel Usage (total of all loaders):	<u>7.0 gal/hr</u>

Storage Piles:

Average Size:	<u>0.5 acre</u>
---------------	-----------------

Operating Parameters:

1. Cement and supplement are pneumatically loaded into the storage silos.
2. Bin vents are used on the storage silos.
2. Unpaved road emissions are controlled with water & chemicals.
3. The plant operates on commercial power.

(iv) Public Hearing. A request for a hearing on the proposed approval or disapproval order may be submitted to the executive secretary:

(A) within 10 days of the date the notice in (1) above is published for comment periods established under (i) above, or

(B) within 15 days of the date the notice in (1) above is published for comment periods established under (ii) above.

(v) The hearing will be held in the area of the proposed construction, installation, modification, relocation or establishment.

(vi) The public comment and hearing procedure shall not be required when an order is issued for the purpose of extending the time required by the executive secretary to review plans and specifications.

(3) The executive secretary will consider all comments received during the public comment period and at the public hearing and, if appropriate, will make changes to the proposal in response to comments before issuing an approval order or disapproval order.

R307-401-8. Approval Order.

(1) The executive secretary will issue an approval order if the following conditions have been met:

(a) The degree of pollution control for emissions, to include fugitive emissions and fugitive dust, is at least best available control technology. When determining best available control technology for a new or modified source in an ozone nonattainment or maintenance area that will emit volatile organic compounds or nitrogen oxides, best available control technology shall be at least as stringent as any Control Technique Guidance document that has been published by EPA that is applicable to the source.

(b) The proposed installation will meet the applicable requirements of:

(i) R307-403, Permits: New and Modified Sources in Nonattainment Areas and Maintenance Areas;

(ii) R307-405, Permits: Major Sources in Attainment or Unclassified Areas (PSD);

(iii) R307-406, Visibility;

(iv) R307-410, Emissions Impact Analysis;

(v) R307-420, Permits: Ozone Offset Requirements in Davis and Salt Lake Counties;

(vi) R307-210, National Standards of Performance for New Stationary Sources;

(vii) National Primary and Secondary Ambient Air Quality Standards;

(viii) R307-214, National Emission Standards for Hazardous Air Pollutants;

(ix) R307-110, Utah State Implementation Plan; and

(x) all other provisions of R307.

(2) The approval order will require that all pollution control equipment be adequately and properly maintained.

(3) Receipt of an approval order does not relieve any owner or operator of the responsibility to comply with the provisions of R307 or the State Implementation Plan.

(4) To accommodate staged construction of a large source, the executive secretary may issue an order authorizing construction of an initial stage prior to receipt of detailed plans for the entire proposal provided that, through a review of general plans, engineering reports and other information the proposal is determined feasible by the executive secretary under the intent of R307.

Subsequent detailed plans will then be processed as prescribed in this paragraph. For staged construction projects the previous determination under R307-401-8(1) and (2) will be reviewed and modified as appropriate at the earliest reasonable time prior to commencement of construction of each independent phase of the proposed source or modification.

(5) If the executive secretary determines that a proposed stationary source, modification or relocation does not meet the conditions established in (1) above, the executive secretary will not issue an approval order.

R307-401-9. Small Source Exemption.

(1) A small stationary source is exempted from the requirement to obtain an approval order in R307-401-5 through 8 if the following conditions are met.

(a) its actual emissions are less than 5 tons per year per air contaminant of any of the following air contaminants: sulfur dioxide, carbon monoxide, nitrogen oxides, PM₁₀, ozone, or volatile organic compounds;

(b) its actual emissions are less than 500 pounds per year of any hazardous air pollutant and less than 2000 pounds per year of any combination of hazardous air pollutants;

(c) its actual emissions are less than 500 pounds per year of any air contaminant not listed in (a) or (b) above and less than 2000 pounds per year of any combination of air contaminants not listed in (a) or (b) above.

(d) Air contaminants that are drawn from the environment through equipment in intake air and then are released back to the environment without chemical change, as well as carbon dioxide, nitrogen, oxygen, argon, neon, helium, krypton, xenon should not be included in emission calculations when determining applicability under (a) through (c) above.

(2) The owner or operator of a source that is exempted from the requirement to obtain an approval order under (1) above shall no longer be exempt if actual emissions in any subsequent year exceed the emission thresholds in (1) above. The owner or operator shall submit a notice of intent under R307-401-5 no later than 180 days after the end of the calendar year in which the source exceeded the emission threshold.

(3) Small Source Exemption – Registration. The executive secretary will maintain a registry of sources that are claiming an exemption under R307-401-9. The owner or operator of a stationary source that is claiming an exemption under R307-401-9 may submit a written registration notice to the executive secretary. The notice shall include the following minimum information:

(a) identifying information, including company name and address, location of source, telephone number, and name of plant site manager or point of contact;

(b) a description of the nature of the processes involved, equipment, anticipated quantities of materials used, the type and quantity of fuel employed and nature and quantity of the finished product;

(c) identification of expected emissions;

(d) estimated annual emission rates;

(e) any control apparatus used; and

(f) typical operating schedule.

(4) An exemption under R307-401-9 does not affect the requirements of R307-401-17, Temporary Relocation.

R307-401-10. Source Category Exemptions.

The following source categories described in (1) through (5) below are exempted from the requirement to obtain an approval order. The general provisions in R307-401-4 shall apply to these sources.

(1) Fuel-burning equipment in which combustion takes place at no greater pressure than one inch of mercury above ambient pressure with a rated capacity of less than five million BTU per hour using no other fuel than natural gas or LPG or other mixed gas that meets the standards of gas distributed by a utility in accordance with the rules of the Public Service Commission of the State of Utah, unless there are emissions other than combustion products.

(2) Comfort heating equipment such as boilers, water heaters, air heaters and steam generators with a rated capacity of less than one million BTU per hour if fueled only by fuel oil numbers 1 – 6,

(3) Emergency heating equipment, using coal or wood for fuel, with a rated capacity less than 50,000 BTU per hour.

(4) Exhaust systems for controlling steam and heat that do not contain combustion products.

R307-401-11. Replacement-in-Kind Equipment.

(1) Applicability. Existing process equipment or pollution control equipment that is covered by an existing approval order or State Implementation Plan requirement may be replaced using the procedures in (2) below if:

(a) the potential to emit of the process equipment is the same or lower;

(b) the number of emission points or emitting units is the same or lower;

(c) no additional types of air contaminants are emitted as a result of the replacement;

(d) the process equipment or pollution control equipment is identical to or functionally equivalent to the replaced equipment;

(e) the replacement does not change the basic design parameters of the process unit or pollution control equipment;

(f) the replaced process equipment or pollution control equipment is permanently removed from the stationary source, otherwise permanently disabled, or permanently barred from operation;

(g) the replaced process equipment or pollution control equipment does not trigger New Source Performance Standards or National Emissions Standards for Hazardous Air Pollutants under 42 U.S.C. 7411 or 7412; and

(h) the replacement of the control apparatus or process equipment does not violate any other provision of Title R307.

(2) Replacement-in-Kind Procedures.

(a) In lieu of filing a notice of intent under R307-401-5, the owner or operator of a stationary source shall submit a written notification to the executive secretary before replacing the equipment. The notification shall contain a description of the replacement-in-kind equipment, including the control capability of any control apparatus and a demonstration that the conditions of (1) above are met.

(b) If the replacement-in-kind meets the conditions of (1) above, the executive secretary will update the source's approval order and notify the owner or operator. Public review under R307-401-7 is not required for the update to the approval order.

(3) If the replaced process equipment or pollution control equipment is brought back into operation, it shall constitute a new emissions unit.

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Patrick Hunter

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Kevin Barrett

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Kevin Morris

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

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10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

William Glaze

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

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10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Barton Schmidt

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

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10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Marcus Barnett

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

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10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Jed Boyle

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

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Construction Safety and Health

Nigel Pater

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Skip Davis

Joshua Schultz
(Trainer name – print or type)

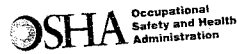
12/3/2009
(Course end date)

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Rayson Baker

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)



33-003197446

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Seth Julian

Joshua Schultz
(Trainer name – print or type)

12/3/2009
(Course end date)



33-003197437

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health
Jesse Zerkle

Joshua Schultz

(Trainer name – print or type)

12/3/2009

(Course end date)



33-003197437

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health
Chad Schmidt

Joshua Schultz

(Trainer name – print or type)

12/3/2009

(Course end date)

ANNUAL REFRESHER TRAINING RECORD/CERTIFICATE

Miner's Full Name (Print) Matt Merdes

Mine or Contractor Name Schmidt Construction ID# 42-02359

Subject 30 CFR Part 46.8	Subject Length	Date	Competent Person	Location (Name & Address if Institution)	Miner's Initials
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Instruction on changes at the mine that could adversely affect the miner's health or safety	30 MIN	4-9-2010	Matt Merdes	2230 W Hwy 56 Cedar City, UT	MM
Health and safety subjects relevant to mining operations at the mine	30 MIN	4-9-2010	Matt Merdes	↓	MM

Escape Evacuation Fire Fighting	30 MIN	4-9-2010	Scott Turner	2230 W Hwy 56 Cedar City, UT	MM
Maintenance Repair Fall Protection Material Handling	30 MIN	4-9-2010	Scott Turner	Talon Resources 615 N 400 E	MM
Water Hazards, Pits and Spoil Banks	15 MIN	4-9-2010	Scott Turner	Huntington UT	MM
Transportation Communication	15 MIN	4-9-2010	Scott Turner	11 11	MM
First AID	120 MI	4-9-2010	Scott Turner	11 11	MM
Electrical Hazards	45 min	4-9-2010	Scott Turner	11 11	MM
Respiratory Devices	30 MIN	4-9-2010	Scott Turner	11 11	MM
Health	30 MIN	4-9-2010	Scott Turner	11 11	MM
Prevention of Accidents	30 MIN	4-9-2010	Scott Turner	11 11	MM
Hazard Communication	30 MIN	4-9-2010	Scott Turner	11 11	MM
High Walls	15 MIN	4-9-2010	Scott Turner	11 11	MM
Traffic Control	15 MIN	4-9-2010	Scott Turner	11 11	MM
Ground Control	15 MIN	4-9-2010	Scott Turner	11 11	MM
Mobil Equipment	30 MIN	4-9-2010	Scott Turner	11 11	MM

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act
I certify that the above training has been completed

Matt Merdes 4-9-2010
(Signature of person responsible for health and safety training) (Date)